



# FEMA



Prepared by  
*Jennifer McNatt*

# FEMA Region 6 Weather Threat Briefing

Saturday, October 20, 2018

**Disclaimer:** The purpose of this briefing is to provide a **Regional** weather threat assessment and is meant as a general overview. County/Parish decision makers should consult their local NWS forecast offices for the latest detailed, local weather information.

To find your local NWS forecast office, go to [www.weather.gov/srh](http://www.weather.gov/srh).

# Summary of the Upcoming Week



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## Today

- Rainfall amounts today look to be slightly less than previously thought. The focus for any heavy rainfall appears to be over Coastal Deep South TX late tonight into Sunday morning.

## Sunday

- The flood threat appears to be focused in/around the Rio Grande Valley, although some rain chances over S-Central and SW TX may lead to isolated flash flooding over already vulnerable areas.

## Monday - Wednesday

- There is likely to be rain across at least southern portions of the Region throughout most of next week due to a system moving through late in the week and the remnants/moisture from what is now Tropical Storm Vicente moving up into NM and TX. We are less confident on the timing and location of heavy rain potential after Monday.

## River Flood Status

- Moderate to Major River flooding is ongoing or expected across Texas.
  - Points along the Nueces river in STX will be in Major Flood at times over the next week as water moves downstream. The point near Asherton has crested in Major flood and will continue a slow fall.
  - The Colorado River at Lake Travis is in Major Flood; many homes and mobile homes at Graveyard Point are likely impacted now.
  - The Trinity River near Trinidad is cresting today with mostly agricultural impacts. The Trinity River at Goodrich is slowly rising towards Major flood over the upcoming week. Major lowland flooding is expected, and homes below Lake Livingston may also be impacted. The Trinity River at Liberty has risen into Major Flood and will remain in Major flood throughout this upcoming week most likely with impacts of major lowland flooding and several subdivisions above Liberty likely flooding.
- Additional rainfall over the next few days will likely prolong flooding along the already impacted rivers and lead to additional moderate (to isolated major) river flooding throughout S-Central and STX due to already saturated soils.

## Tropical Outlook

- No new tropical cyclones are expected during the next five days.

# FEMA Region 6 Threat Matrix

Oct 20, 2018 – Oct 24, 2018



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DAY / THREAT	SAT	SUN	MON	TUE	WED
Severe Storms					
Heavy Rain / Flash Flooding	Coastal Deep South TX	STX	S-Cntrl TX	NM, WTX	SE, S-Central & STX
		SWTX	S LA		
Winter Weather					
Tropical Weather					
River Flooding	TX	TX	TX	TX	TX

	No Weather Threats Expected
	Very Common – Happens Often
	Common – Happens Frequently
	Uncommon – A Few Times a Year
	Rare – Once Every 1-5 Years
	Very Rare – Once Every 5-10 Years

*\*Threat levels are based on FEMA Region 6 criteria.*

*State or local threat level criteria may differ.\**

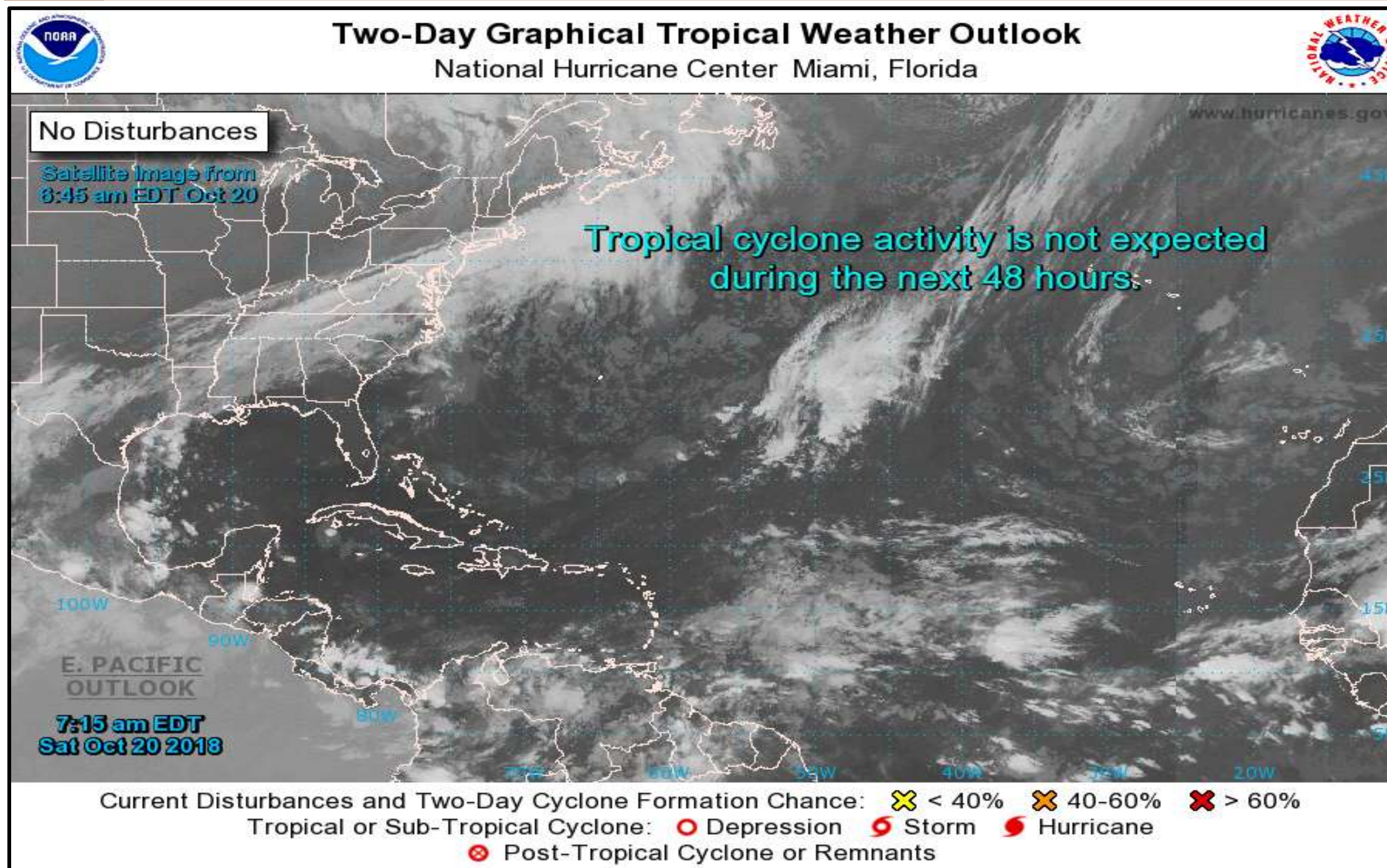
*For more details on the colors in the threat matrix refer to the last slide in this briefing.*



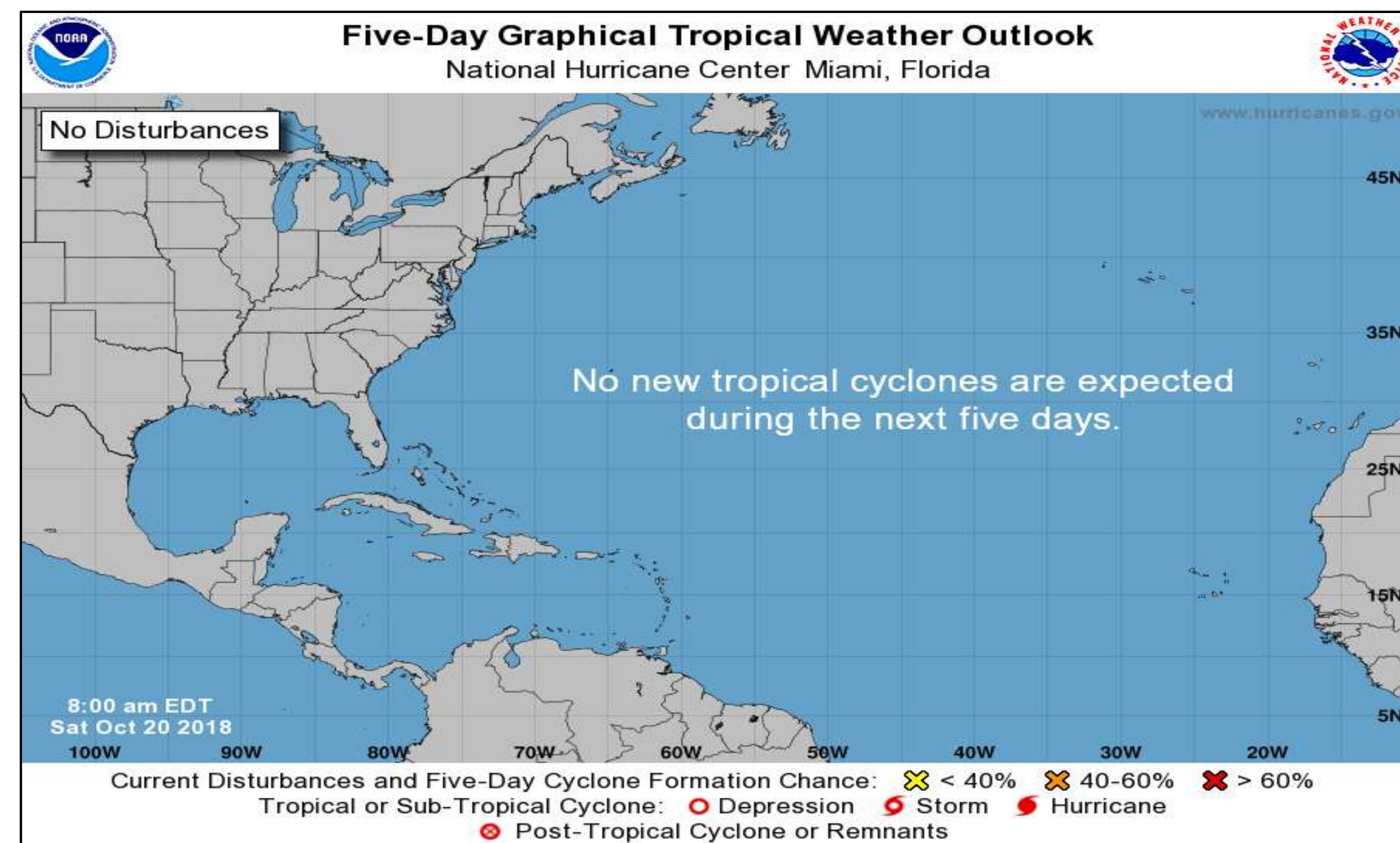
# Tropical Weather Outlook – Atlantic/Gulf



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**No new tropical cyclones are expected during the next five days.**



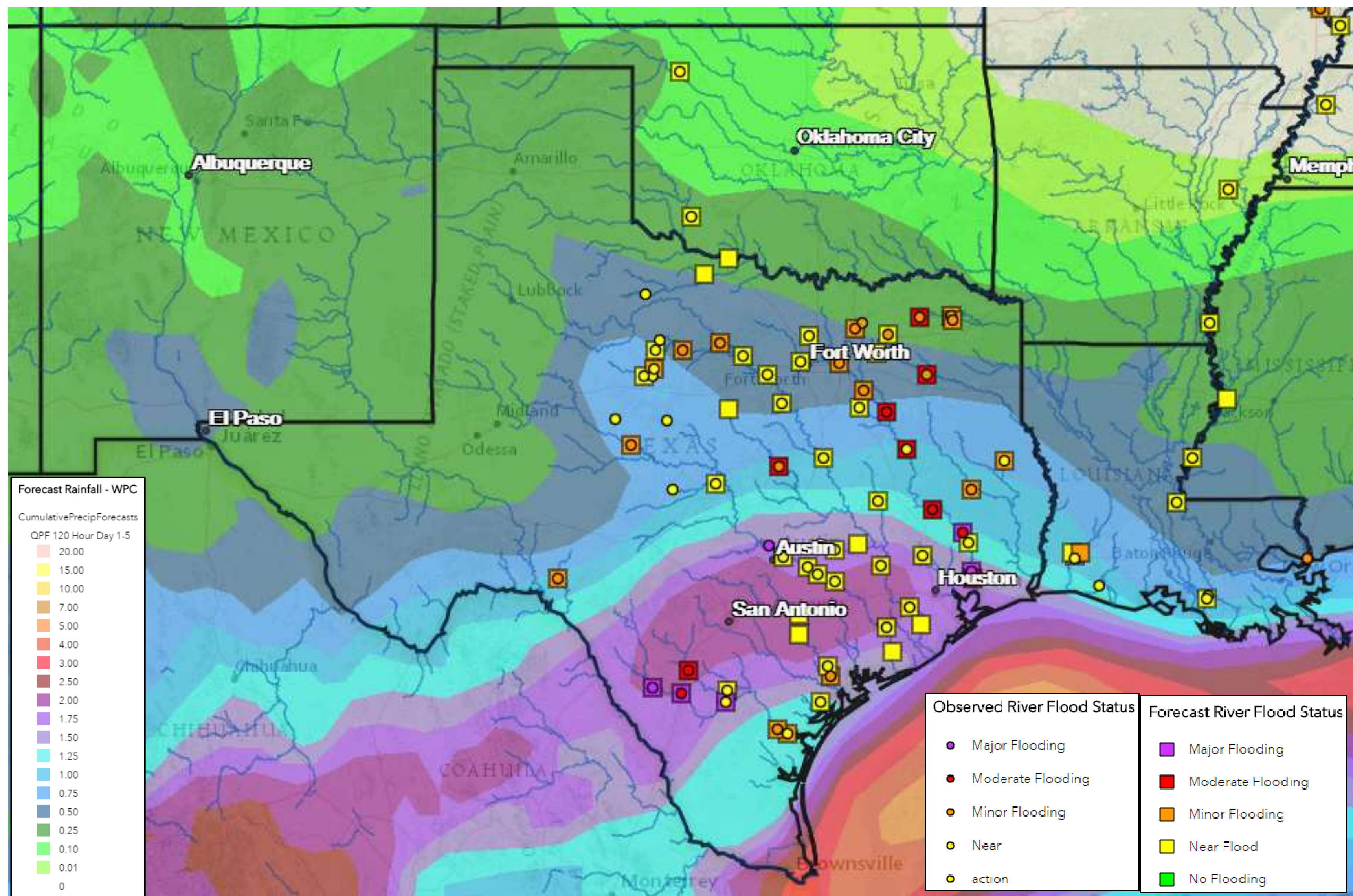


# 5-Day Precipitation Forecast & River Flood Status



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*Note: Even though the image displays 5 days of forecasted rainfall, river forecasts only include 1-2 days of rainfall*



**Moderate to Major River flooding is ongoing or expected across Texas.**

- Points along the Nueces river in STX will be in Major Flood at times over the next week as water moves downstream. The point near Asherton has crested in Major flood and will continue a slow fall.
- The Colorado River at Lake Travis is in Major Flood; many homes and mobile homes at Graveyard Point are likely impacted now.
- The Trinity River near Trinidad is cresting today with mostly agricultural impacts. The Trinity River at Goodrich is slowly rising towards Major flood over the upcoming week. Major lowland flooding is expected, and homes below Lake Livingston may also be impacted. The Trinity River at Liberty has risen into Major Flood and will remain in Major flood throughout this upcoming week most likely with impacts of major lowland flooding and several subdivisions above Liberty likely flooding.

**Additional rainfall over the next few days will likely prolong flooding along the already impacted rivers and lead to additional moderate (to isolated major) river flooding throughout S-Central and STX due to already saturated soils.**

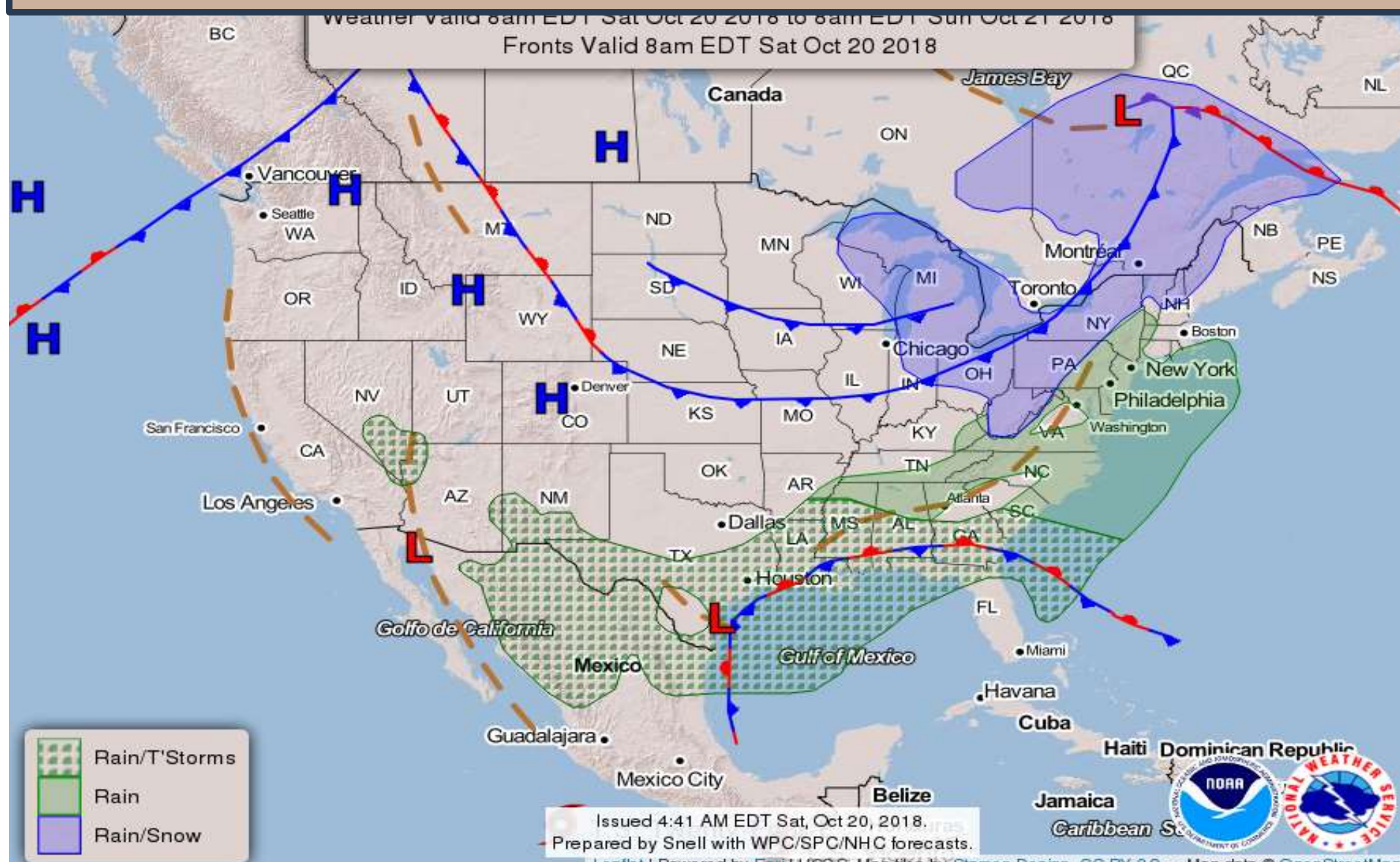


# Today's Weather



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## Forecast Chart



## Forecast Rainfall

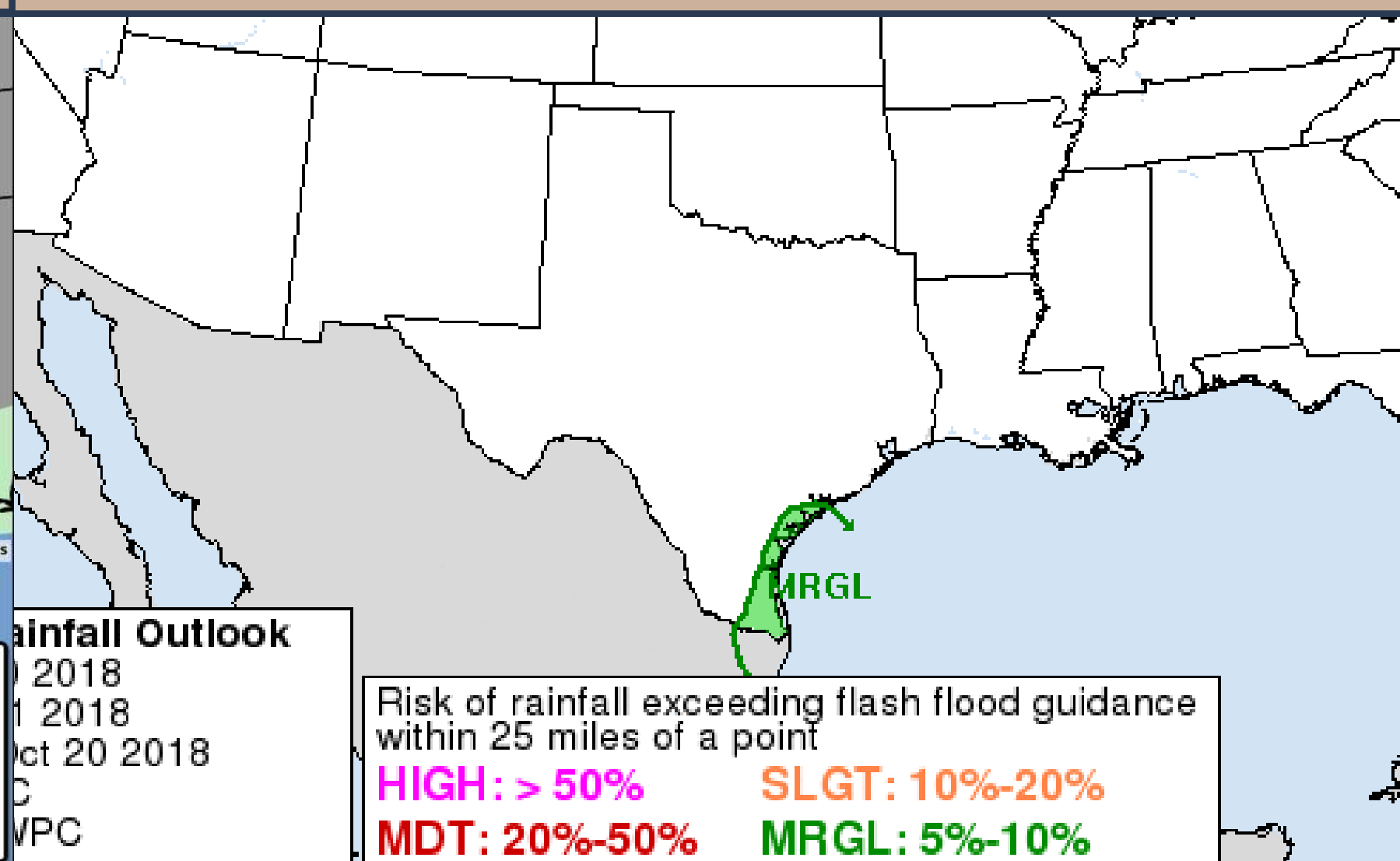


Rainfall amounts today look to be slightly less than previously thought. The focus for any heavy rainfall appears to be over Coastal Deep South TX late tonight into Sunday morning.

## Severe Weather Outlook



## Excessive Rainfall Outlook





# Watches, Warnings, and Advisories



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## Fire Weather



Graphic Created

## Severe Weather & Flooding



Graphic Created

**Flash flood watches are in effect for coastal Deep South TX this evening through Monday morning.**

## Strong & Gusty Winds



Graphic Created

## Winter Weather



Graphic Created

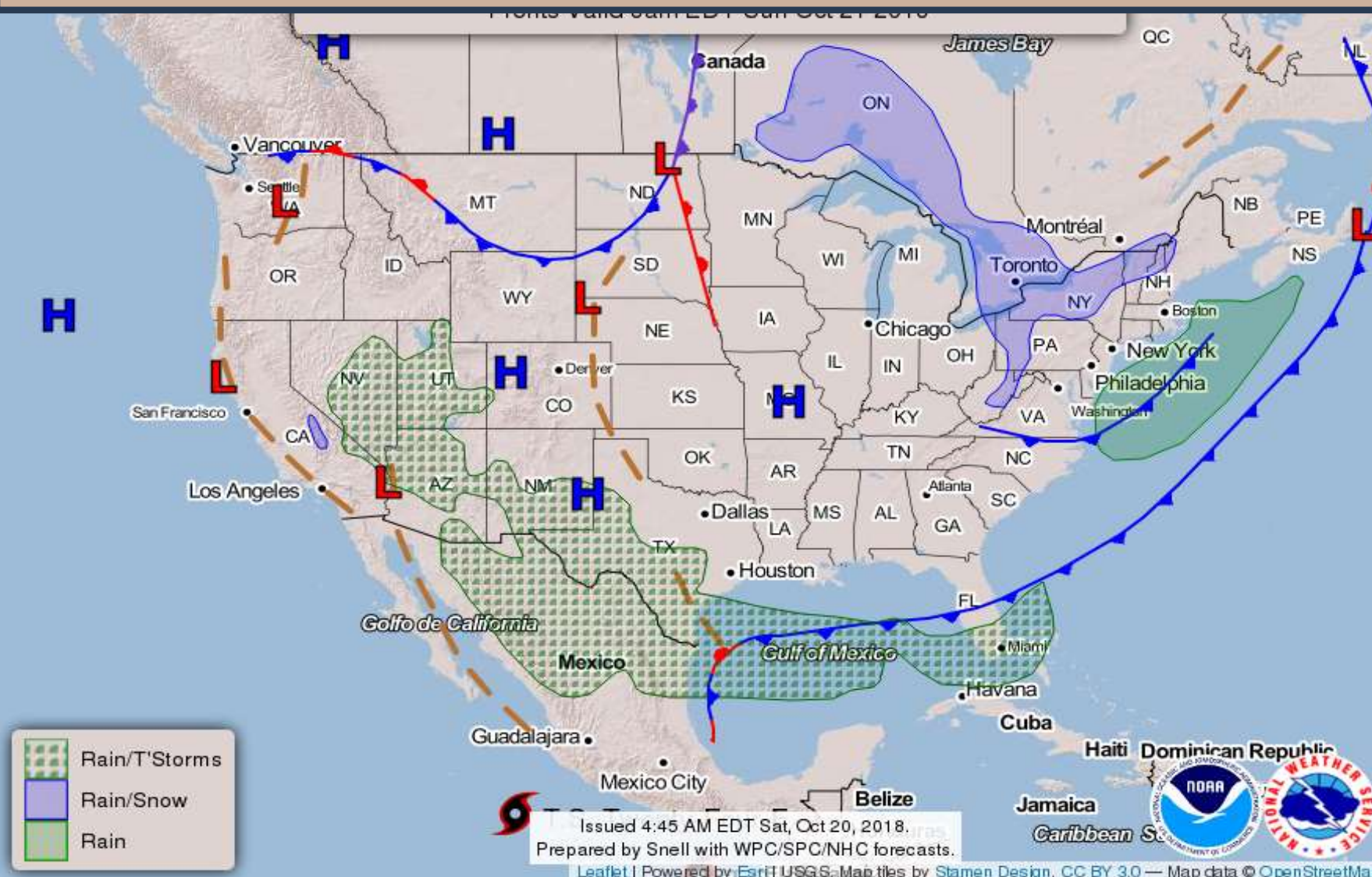


# Tomorrow's Weather



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## Forecast Chart



## Forecast Rainfall



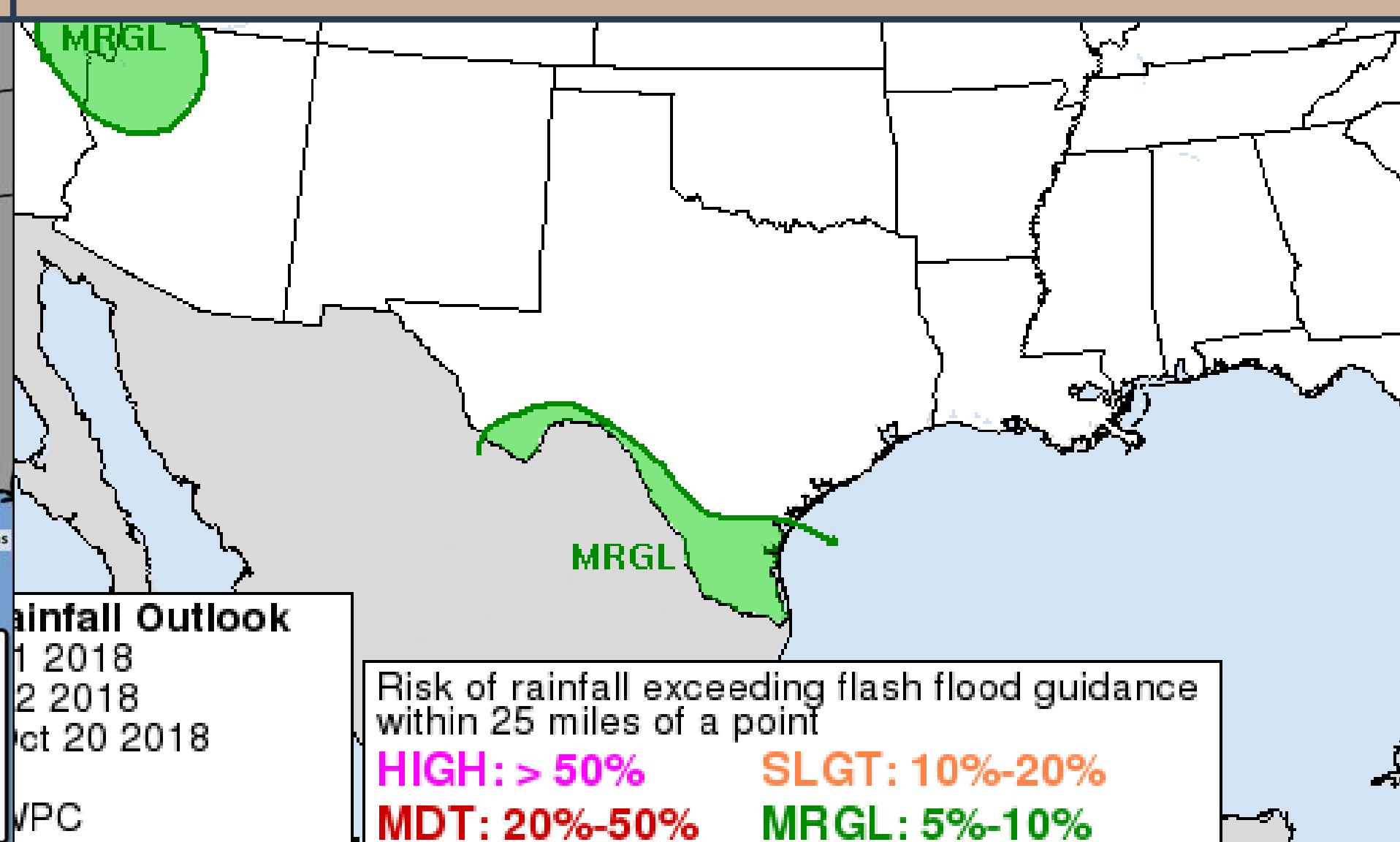
Rain chances continue over S TX, with isolated flash flooding possible.

Isolated rain / flash flooding also possible over vulnerable locations of S and SW TX where scattered showers are expected.

## Severe Weather Outlook



## Excessive Rainfall Outlook





# Monday's Weather



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## Forecast Chart

## Forecast Rainfall

**Heavy rain / flash flood threat begins to increase again over S-Central TX.**

**Some isolated heavy rain possible near the LA coast as well.**

## Severe Weather Outlook

## Excessive Rainfall Outlook

### Rainfall Outlook

Oct 22 2018  
Oct 23 2018  
Oct 20 2018

WPC

Risk of rainfall exceeding flash flood guidance within 25 miles of a point

**HIGH: > 50%**      **SLGT: 10%-20%**  
**MDT: 20%-50%**      **MRGL: 5%-10%**

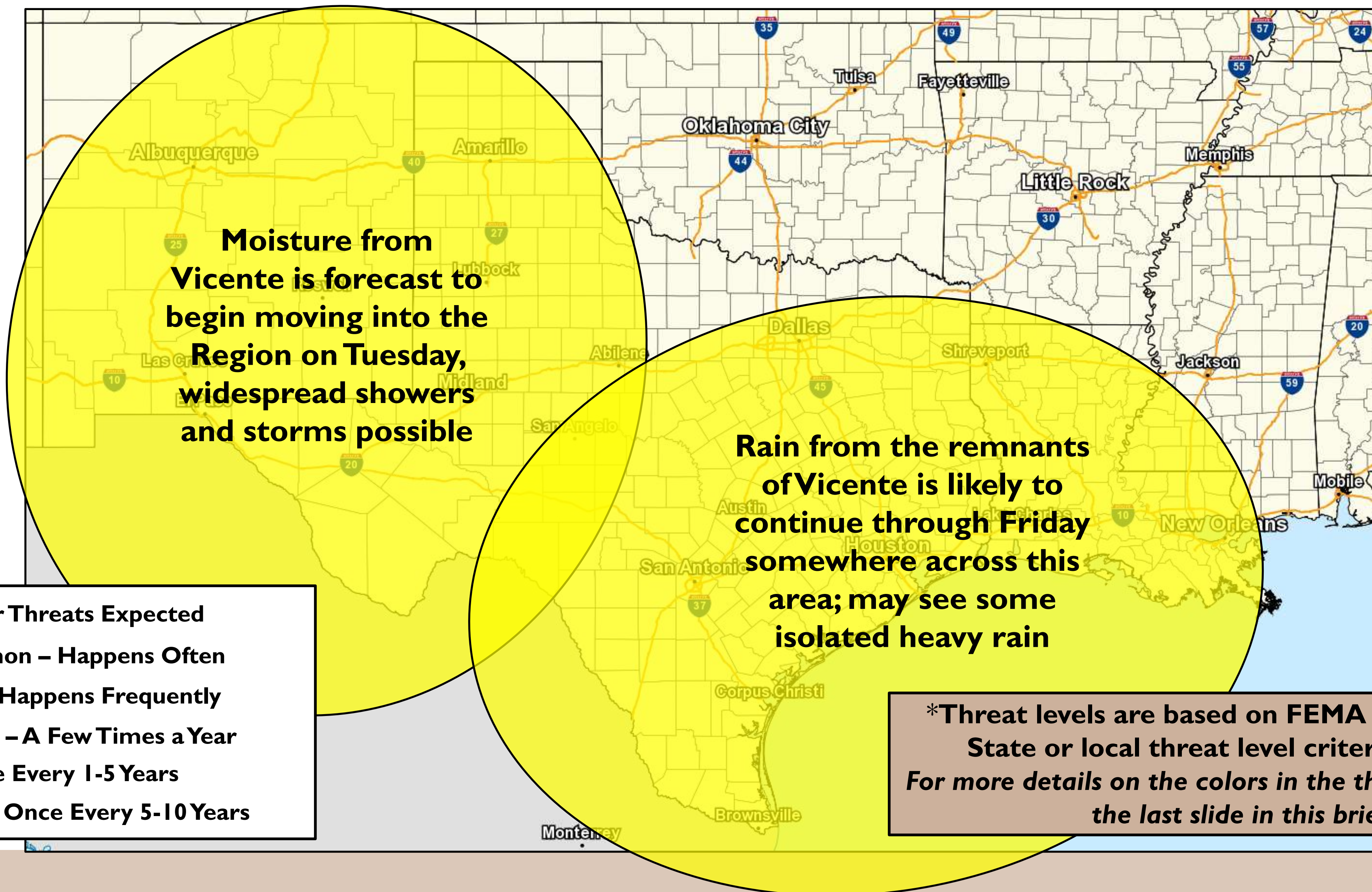


# Days 4-5 Weather Hazards

Tuesday - Wednesday



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- No Weather Threats Expected
- Very Common – Happens Often
- Common – Happens Frequently
- Uncommon – A Few Times a Year
- Rare – Once Every 1-5 Years
- Very Rare – Once Every 5-10 Years

**\*Threat levels are based on FEMA Region 6 criteria. State or local threat level criteria may differ.\***  
**For more details on the colors in the threat matrix refer to the last slide in this briefing.**

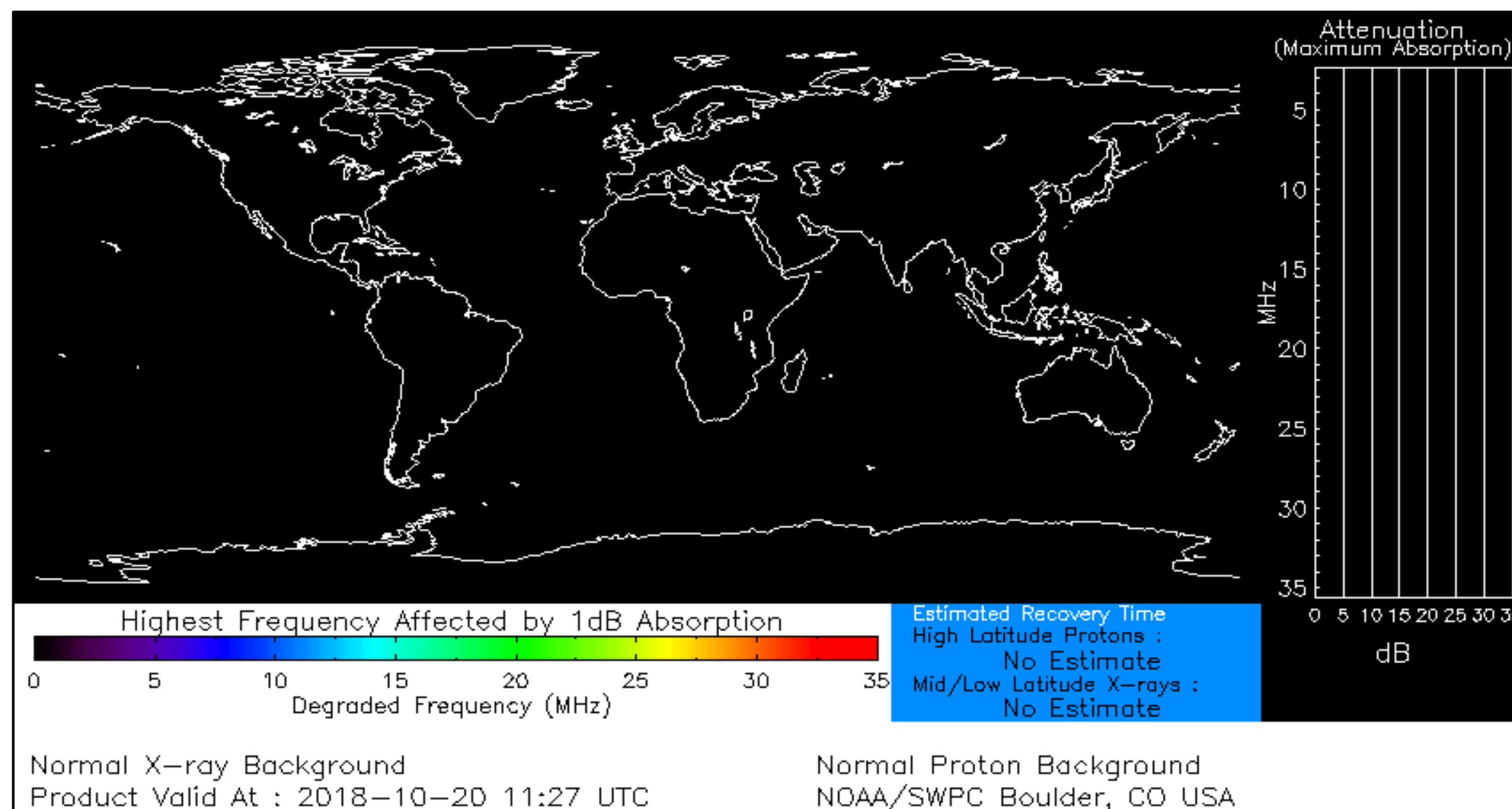


# Space Weather 3-Day Forecast



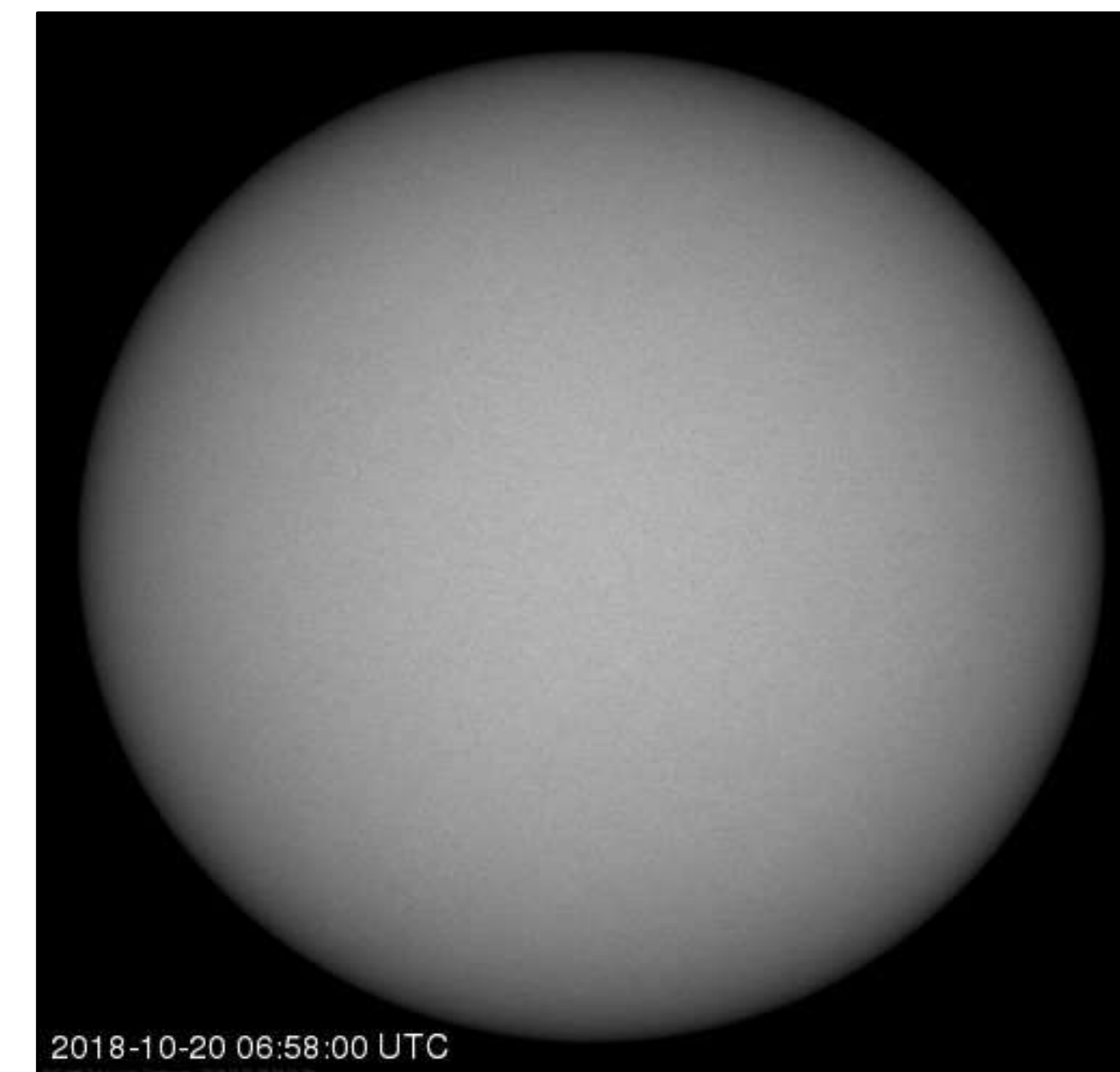
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	Saturday	Sunday	Monday
Geomagnetic Storms	Unsettled (Max Kp = 3)	Quiet (Max Kp = 2)	Quiet (Max Kp = 2)
Solar Radiation Storm (S1-S5)	1%	1%	1%
Radio Blackout (R1-R2)	1%	1%	1%
Radio Blackout (R3-R5)	1%	1%	1%



[Click here for a Description of the Space Weather Storm Scales](#)

[Click here for the Latest 3-Day Space Weather Forecast Text](#)







# For more information, please contact:

**National Weather Service**  
Southern Region Headquarters  
Regional Operations Center  
Fort Worth, TX

Phone: (682) 703-3747

E-mail: [sr-srh.roc@noaa.gov](mailto:sr-srh.roc@noaa.gov)

Web: <http://www.weather.gov/srh>





Weather “Threat” Matrix			
Color	Definition	Criteria	Example(s)
Green	<b>Very Common</b> Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Little Inconvenience to Daily Routines	Severe: Marginal Risk from SPC Flooding: Minor flooding expected over localized areas Tropical: None Fire Weather: No Watches/Warnings, fuel moisture above 10% or green up active	<ul style="list-style-type: none"> <li>Thunderstorms expected over LA this afternoon; a few may produce winds to knock down a few trees</li> <li>Something that happens almost every day in a particular season such as <u>seabreeze</u> storms in coastal TX</li> </ul>
Yellow	<b>Somewhat Common – Happens Frequently</b> Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Some Inconvenience to Daily Life	Severe: Slight Risk from SPC Flooding: Nuisance flooded expected for a widespread area, or Minor flooding expected over isolated areas Tropical: A weak tropical wave expected to move towards or near any coastline Fire Weather: Red Flag Watches/Warnings and/or SPC outlines enhanced or critical fire outlook	<ul style="list-style-type: none"> <li>2-3 inches of rainfall expected over central AR today and tonight; some minor (brief) street flooding possible</li> <li>Scattered severe storms possible, one or two tornadoes expected, along with reports of strong winds/wind damage and ~1” hail</li> </ul>
Orange	<b>Uncommon – A Few Times a Year</b> Safety: Often Threatening to Life and Property, Some Damage Unavoidable Impact Potential: Typically Results in Minor Disruption to Daily Life	Severe: Enhanced Risk from SPC Flooding: Minor flooding expected over a widespread area (including urban locations), or Moderate flooding expected over isolated areas Tropical: A Tropical Storm expected to move towards or near any coastline Fire: Critical fire outlook for more than 2 consecutive days, Warnings for 2 or more consecutive days, D3-D4 drought conditions	<ul style="list-style-type: none"> <li>A snow/sleet mix is expected to move through or near the DFW area tomorrow morning; travel impacts likely</li> <li>Numerous severe storms possible, a few tornadoes possible along with several reports of wind damage along with damaging hail</li> <li>Some large fires reported, burn bans advertised, critical conditions expected</li> </ul>
Red	<b>Rare – Once every 1-5 Years</b> Safety: Extensive Property Damage Likely, Life Saving Actions Also will be Needed Impact Potential: Will likely result in Large Disruption to Daily Life	Severe: Moderate Risk from SPC Flooding: Moderate flooding expected over a widespread area (including urban locations) Tropical: A Hurricane expected to move towards or near any coastline Fire: Large areas of critical conditions for 2 or more days, Warnings for 3 or more days, Severe to extreme drought	<ul style="list-style-type: none"> <li>A Category 1 hurricane will be moving towards the NW Gulf in the next few days</li> <li>Widespread severe storms likely, strong tornadoes, widespread wind damage, and destructive hail</li> <li>Large fires ongoing throughout the area with critical fire weather conditions expected to continue</li> </ul>
Purple	<b>Very Rare – Once Every 5-10 Years</b> Safety: Property Damage Unavoidable, Immediate Action to Save Life will be Needed Impact Potential: Typically Results in Long-Lived Widespread Major Disruption to Daily Life	Severe: High Risk from SPC Flooding: Major flooding expected over a widespread area (including urban locations) Tropical: A Major Hurricane (Cat3 or greater) expected to move towards or near any coastline Fire: Large area of critical conditions for 2 or more days, Warnings for 3 or more days, Long term (months) of severe to extreme drought	<ul style="list-style-type: none"> <li>A Category 4 hurricane is headed towards the SE LA; major storm surge, flooding and damaging winds anticipated to begin tomorrow</li> <li>Widespread severe storms expected, tornado outbreak probable with long-lived, very widespread and particularly intense storms</li> </ul>

**Criteria for the color codes in this briefing is to the left, please provide any feedback to**

**[sr-srh.roc@noaa.gov](mailto:sr-srh.roc@noaa.gov)**